

# INTERNATIONAL SEARCH REPORT

Internat Application No  
PCT/IN 03/00393

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D513/04 A61K31/425 A61P25/00 //(C07D513/04, 275:00, 209:00)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | BENINCORI T ET AL: "Chiral atropisomeric five-membered biheteroaromatic diphosphines: new ligands of the bibenzimidazole and biindole series" JOURNAL OF ORGANOMETALLIC CHEMISTRY, ELSEVIER-SEQUOIA S.A. LAUSANNE, CH, vol. 529, no. 1, 15 February 1997 (1997-02-15), pages 445-453, XP004061325 ISSN: 0022-328X compound 9<br><br>---<br>-/- | 9                     |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

23 March 2004

Date of mailing of the international search report

01/04/2004

Name and mailing address of the ISA

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |  |                       |
|--|--|-----------------------|
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
| A  | <p>DATABASE CA 'Online!<br/>CHEMICAL ABSTRACTS SERVICE, COLUMBUS,<br/>OHIO, US;<br/>SHEN, JINGKANG ET AL: "Preparation of<br/>indolylpiperidines for treatment of<br/>Alzheimer 's disease"<br/>retrieved from STN<br/>Database accession no. 139:6769<br/>XP002274554<br/>abstract<br/>&amp; CN 1 345 724 A (SHANGHAI PHARMACEUTICAL<br/>INST., CHINESE ACADEMY OF SCIENCES, PEOP.<br/>REP.) 24 April 2002 (2002-04-24)</p> | 1,7,14                |
| A  | <p>WO 02 42292 A (SCIOS INC)<br/>30 May 2002 (2002-05-30)<br/>claim 1;claim 38 (page 90, line 5, page<br/>91, line 5, page 92, line 5, page 93, line<br/>1; claims 42 and 44</p>   | 1,7,14                |
| A  | <p>WO 00 34242 A (VIRGINIA COMMONWEALTH<br/>UNIVERSITY) 15 June 2000 (2000-06-15)<br/>page 1, paragraph 3 -page 2, paragraph 2;<br/>claim 6</p>  | 1,7,13                |
| A  | <p>GB 2 341 549 A (MERCK SHARP &amp; DOHME)<br/>22 March 2000 (2000-03-22)<br/>claims 1,12</p>   | 1,7,13,<br>14         |

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Intel      ial application No.  
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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

The scope of claims 2 and 7 , in as far as the expressions "the prodrug" and "its useful bio-active metabolites" is concerned, is so unclear (Article 6 PCT) that a meaningful International Search is impossible with regard to this expressions.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

## INTERNATIONAL SEARCH REPORT

Internal application No

PCT/IN 03/00393

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s)  | Publication<br>date  |
|---|---|---------------------|---|--|
| CN 1345724                                | A | 24-04-2002          | NONE  |  |
| WO 0242292                                | A | 30-05-2002          | AU 2691102 A<br>CA 2429605 A1<br>EP 1341782 A2<br>WO 0242292 A2<br>US 2003092717 A1                                     | 03-06-2002<br>30-05-2002<br>10-09-2003<br>30-05-2002<br>15-05-2003                             |
| WO 0034242                                | A | 15-06-2000          | AU 767009 B2<br>AU 2356200 A<br>CA 2353962 A1<br>EP 1149078 A1<br>US 2002103382 A1<br>US 2002103383 A1<br>WO 0034242 A1 | 30-10-2003<br>26-06-2000<br>15-06-2000<br>31-10-2001<br>01-08-2002<br>01-08-2002<br>15-06-2000 |
| GB 2341549                                | A | 22-03-2000          | US 6187805 B1   | 13-02-2001   |